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ФАН ВА ТАЪЛИМ

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INFORMATION ON THE NESTING OF LANIUS SCHACH LINNAEUS, 1758 IN THE BUKHARA OASIS

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Summary: *The article explores the relevance of the topic, the methods used to carry out the work, the status of occurrence of Lanius schach in the conditions of the Bukhara Oasis, The Shape, number and location of the nests found, nesting, components of the Hive and their quantitative proportions.*

Keywords: *Bukhara Oasis, Lanius schach, nest, bird, biology, ecology, areal, agrosenosis, method, pair, occurrence status, nest building, nest location.*

It is relevant to research the distribution, biology and ecology of Lanius Schach in Bukhara Oasis agrotsenoses, analyze its relationships in agrotsenoses, manage the number, determine the measures for protection.

In the agrotsenoses of the Bukharan Oasis, Lanius schach of the Laniidae family of the order Passeriformes is found [1]. As of occurrence this bird is a Breeder/Migrant species [3, 4, 5, 6, 7]. Also, the relationship of this bird with nesting on the example of the Bukhara Oasis has not been specially studied. In light of this, in this article we will cite our feedback based on the observations made in 2008-2022 on the nesting of Lanius Schach, the data collected. Figure 1 below shows an overview of Lanius schach and the nest.



Figure 1. General view of Lanius schach and Hive

In the study of the relationship of Lanius schach with nesting, in the implementation of stationary observations, G.A. Novikov (1949), A.V. Mikheyev (1975), A.S. The methods of Mal'chevsky (1959) were used. 21 nests of Lanius Schach were found and studied [8, 9, 10]. Further observations were also made.

In the Bukhara Oasis, this species occurs in April-October, and during this time the Flying Lanius schachs will part initially in pairs a little later, as well as select trees in the Oasis agrotsenoses to build nests. It is known from sources that it places its nests 5.35 (2.5-13.0) meters from the ground in trees such as apricot, apple, poplar, pine, maple, Mulberry, Willow, Acacia (Bakayev, 1994) [2]. In the course of our observations, we found that in addition to the above trees, the nest (n=6) builds 4,785

(2.85-8.0) meters above the ground to Amygdalus, Prunus, Persica, Cerasus avium, which is planted close to the water. In subsequent years, the decrease in the height of the hive from the ground and the choice of fruit trees in more nesting is explained by the fact that ornamental, large trees in agrotsenoses decrease from year to year.

Both sexes are involved in nest construction. The construction period sometimes takes up to 7 days, depending on the arrival time of spring, weather, including temperature, raw materials. When building its nest, it mainly uses 50 m diameter Gossypium, Salicornia herbacea, Medicago sativa, brassica rapa, Convolvulus arvensis, Salix alba, Populus alba, Phragmites communis, Zea mays, Prúnus armeníaca, Cynodon dactylon, Alhagi pseudalhagi, Morus alba body parts, animal wool, synthetic threads, etc. (Table 1).

Table 1.

Information on the components of the Lanius schach hive

Components	Slots			The average weight is g.
	1	2	3	
Cotton wool (mixed with powder and fine hues)	32,400	1,200	26,900	20,167
cotton stem, bark, leaf band	6,200	-	4,800	3,667
Salicornia herbacea body parts	9,000	-	-	3,000
Medicago sativa body parts	2,000	-	-	0,667
Sheep's wool, silk and synthetic resin	0,400	-	0,700	0,367
Brassica rapa body parts	0,800	-	-	0,267
Convolvulus arvensis	0,500	-	-	0,17
Salix alba, Populus alba leaves	1,000	-	-	0,33
Phragmites communis, Zea mays, wild broom body parts	0,500	-	-	0,167
Prúnus armeníaca parts	0,600	-	-	0,200
Cynodon dactylon	0,400	0,400	-	0,267
Alhagi pseudalhagi and Tamarix gallica body parts	0,100	6,200	2,500	2,933
Morus alba, toifi	5,000	29,400	-	11,467
Synthetic threads, a piece of chalk and white resin	-	3,300	-	1,100
Hair, sheep's wool, animal hair	-	1,100	-	0,367
Plastic bag piece and bag thread, audio tape, pena Pieces, candy paper, cigarette filter	-	1,000	-	0,333
Zea mays straw hair	-	0,700	-	0,233
Copper wire	-	2,300	-	0,767
Bird droppings	-	1,800	-	0,600
Lanius schach skin derivatives	-	5,000	-	1,667
DVP slices	-	0,050	-	0,017
Toifi fruit part	-	1,200	-	0,400
Annual branches of cherries, leaves	-	0,500	-	0,167
Sorghum cernuum seed parts,	-	13,600	-	4,533

Salicornia herbacea body parts, Zea mays leaf etc				
Prunus part and leaves	-	-	2,000	0,667
Body parts of other plants, dust particles	17,300	9,000	4,600	10,300
Total	76,200	76,750	41,500	64,817

Note: The table shows that when building a bird's nest, Gossypium fiber, Salicornia herbacea and Alhagi pseudalhagi used body parts, debris, Morus alba and toifi body parts, Sorghum cernuum, Zea mays body parts, Tamarix gallica parts, more than colored wires, relatively less than the body parts of cultured plants. This can be explained by the heavy planting of acorns in the agrosenoses of the Bukhara Oasis, the increased desertification process, the pollution of the environment in kunsayin, and the shrinkage of cultivated plant crops grown as food.

Lanius schach does not make repeated use of his nests, which have been increased or used before the year. However, their old nests are equipped for use by Acridotheres tristis. The Nest does not have a clear shape, is spiral, rolled up like a turban. Although placed at points close to humans, in most cases it is not conspicuous until the autumn season.

The study of Lanius schach nesting was discovered during the period when this bird used the body parts and waste objects of weeds in nest building to limit their spread to agrosenoses as well as serve as sanitation. In the following years, there is an impact on the number of nests of Lanius schach under the influence of strong winds, updating residential areas by humans, rejuvenating gardens, giving trees an early shape, felling trees as a source of energy, an increase in invertebrates parasitizing phanerophytes.

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Rezyume: Maqolada mavzuning dolzarbligi, ishni bajarishda foydalanilgan usullar, Buxoro vohasi sharoitida uzun dumli qarqunoqning uchrash maqomi, topilgan uyalar shakli, soni va joylashishi, uyalashi, uyaning tarkibiy qismlari va ularning miqdoriy nisbatlari o'rganilgan.

Резюме: В статье рассмотрена актуальность темы, методы, применяемые при выполнении работ, статус встречи длиннохвостого сорокопута в условиях Бухарского оазиса,

форма, количество и расположение найденных гнезд, гнездование, составные части гнезда и их количественные соотношения.

Kalit so'zlar: *Buxoro vohasi, uzun dumli qarqunoq, uya, qush, biologiya, ekologiya, areal, agrotsenoz, usul, juft, uchrash maqomi, uya qurish, uyasining joylashishi.*

Ключевые слова: *Бухарский оазис, длиннохвостый сорокопуд, гнездо, птица, биология, экология, ареал, агроценоз, метод, спаривание, статус встречи, строение гнезда, расположение гнезда.*